



**Two Dot Consulting**

**Kyle Johnson**

**2200 West 29th Ave**

**Denver**

**CO**

**80211**

**August 07, 2025**

**Project Name - Chevron - Lucci B 01-22**

**Project Number - 3301-102**

Attached are your analytical results for Chevron - Lucci B 01-22 received by Origins Laboratory July 25, 2025. This project is associated with Origins project number E5G0538-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory

303.433.1322

projectmanager@originslab.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645



Two Dot Consulting  
2200 West 29th Ave  
Denver CO 80211

Kyle Johnson  
Project Number: 3301-102  
Project: Chevron - Lucci B 01-22

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BKG01@4'	E5G0538-01	Soil	July 25, 2025 10:01	07/25/2025 17:03
BKG01@6'	E5G0538-02	Soil	July 25, 2025 10:08	07/25/2025 17:03
BKG02@4'	E5G0538-03	Soil	July 25, 2025 10:16	07/25/2025 17:03
BKG02@6'	E5G0538-04	Soil	July 25, 2025 10:20	07/25/2025 17:03
BKG03@4'	E5G0538-05	Soil	July 25, 2025 10:23	07/25/2025 17:03
BKG03@6'	E5G0538-06	Soil	July 25, 2025 10:27	07/25/2025 17:03

Origins Laboratory

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

# ORIGINS LABORATORY

Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22



ESG0538

Client: Chevron  
 Address: 4000 Burlington Ave.  
 Evans, CO 80620  
 Project Manager: Kyle Johnson  
 Project Name: Lucci B 01-22  
 Project Number: 3301-102  
 Telephone Number: 470-376-1431  
 Email Address: RBUTU27@chevron.com  
 Project Manager: 2Dot Email Distribution List  
 Project Name: Lucci B 01-22  
 Project Number: 3301-102  
 Collected By: 2Dot Consulting  
 Invoice/Billing Info: Chevron  
 Site: Surface Water  
 WWT: W/Free Water  
 L=liquid

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis		Comments
					10 Metals	Reclamation	
BK001@4	7/25/25	10:01	2	Ice	X	X	
BK001@6		10:08	2	Ice	X	X	
BK002@4		10:16	2	Ice	X	X	
BK002@6		10:20	2	Ice	X	X	
BK003@4		10:30	2	Ice	X	X	
BK003@6		10:37	2	Ice	X	X	

Relinquished By: Sara Johnson  
 Date: 7/25/25  
 Time: 12:05 PM  
 Received By: AP  
 Date: 7/25/25  
 Time: 1:03 PM

Temp Received - 33°C  
 Received On Ice?  Yes  No  
 Turnaround Time  
 48 Hr  72  
 SAME DAY  24 Hr

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

# ORIGINS LABORATORY

Two Dot Consulting  
2200 West 29th Ave  
Denver CO 80211

Kyle Johnson  
Project Number: 3301-102  
Project: Chevron - Lucci B 01-22

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

### Sample Receipt Checklist

Origins Work Order: ESG0538

Client: TWO DOT

Client Project ID: LUCCI B 01-22

Checklist Completed by: NKM/PPP

Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 07/28/25

Airbill #: N/A

Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_

Cooler Number/Temperature: 1 / 3.3 °C

Thermometer ID: T-007

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	X			
Is there ice present (document if blue ice is used)	X	X		
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		X		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	X			
For volatiles in water – is there headspace (> 1/4 inch bubble) present? If yes, contact client and note in narrative.			X	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH < 2 for samples preserved with HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaOH2+NaOH, NaAc, NaCl)			X	
Additional Comments (if any):				

<sup>(1)</sup>If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to be taken in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

07/29/25  
Date/Time Reviewed

Origins Laboratory

*EHO*

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**BKG01@4'**

**7/25/2025 10:01:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5G0538-01 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>Total Metals by SW7199</b>									
Chromium, Hexavalent	ND	0.08	0.21	mg/kg	1	BIG1569	07/31/2025	07/31/2025	
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.407		0.100	mg/L	1	B5G2528	07/25/2025	07/29/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	22.1		0.499	meq/L	10	[CALC]	07/25/2025	07/29/2025	
Magnesium	16.2		0.823	"	"	"	"	"	
Sodium	52.4		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	7.89			pH Units	1	B5G2531	07/25/2025	07/29/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	12.0		0.0100	SAR	1	B5G2525	07/25/2025	07/29/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	6.86		0.00500	mmhos/cm	1	B5G2531	07/25/2025	07/29/2025	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**BKG01@4'**

**7/25/2025 10:01:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5G0538-01 (Soil)  
 Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	2.10		0.271	mg/kg	10	B5G2919	07/29/2025	07/31/2025	
Barium	ND		76.7	"	"	"	"	"	U
Cadmium	ND		0.355	"	"	"	"	"	U
Copper	ND		43.0	"	"	"	"	"	U
Lead	ND		13.1	"	"	"	"	"	U
Nickel	ND		24.3	"	"	"	"	"	U
Selenium	ND		0.243	"	"	"	"	"	U
Silver	ND		0.748	"	"	"	"	"	U
Zinc	ND		346	"	"	"	"	"	U

Origins Laboratory

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**BKG01@6'**

**7/25/2025 10:08:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5G0538-02 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>Total Metals by SW7199</b>									
Chromium, Hexavalent	ND	0.08	0.19	mg/kg	1	BIG1569	07/31/2025	07/31/2025	
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	ND		0.100	mg/L	1	B5G2528	07/25/2025	07/29/2025	U
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	4.46		0.499	meq/L	10	[CALC]	07/25/2025	07/29/2025	
Magnesium	2.71		0.823	"	"	"	"	"	
Sodium	7.97		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.12			pH Units	1	B5G2531	07/25/2025	07/29/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	4.21		0.0100	SAR	1	B5G2525	07/25/2025	07/29/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	1.57		0.00500	mmhos/cm	1	B5G2531	07/25/2025	07/29/2025	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**BKG01@6'**

**7/25/2025 10:08:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5G0538-02 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	2.53		0.257	mg/kg	10	B5G2919	07/29/2025	07/31/2025	
Barium	ND		72.5	"	"	"	"	"	U
Cadmium	ND		0.336	"	"	"	"	"	U
Copper	ND		40.7	"	"	"	"	"	U
Lead	ND		12.4	"	"	"	"	"	U
Nickel	ND		23.0	"	"	"	"	"	U
Selenium	ND		0.230	"	"	"	"	"	U
Silver	ND		0.708	"	"	"	"	"	U
Zinc	ND		327	"	"	"	"	"	U

Origins Laboratory

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**BKG02@4'**

**7/25/2025 10:16:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5G0538-03 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>Total Metals by SW7199</b>									
Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIG1569	07/31/2025	07/31/2025	
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.381		0.0998	mg/L	1	B5G2528	07/25/2025	07/29/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	4.58		0.499	meq/L	10	[CALC]	07/25/2025	07/29/2025	
Magnesium	2.18		0.823	"	"	"	"	"	
Sodium	5.27		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.06			pH Units	1	B5G2531	07/25/2025	07/29/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	2.87		0.0100	SAR	1	B5G2525	07/25/2025	07/29/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	1.29		0.00500	mmhos/cm	1	B5G2531	07/25/2025	07/29/2025	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**BKG02@4'**

**7/25/2025 10:16:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5G0538-03 (Soil)  
 Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	3.46		0.267	mg/kg	10	B5G2919	07/29/2025	07/31/2025	
Barium	ND		75.4	"	"	"	"	"	U
Cadmium	ND		0.349	"	"	"	"	"	U
Copper	ND		42.3	"	"	"	"	"	U
Lead	ND		12.9	"	"	"	"	"	U
Nickel	ND		23.9	"	"	"	"	"	U
Selenium	ND		0.239	"	"	"	"	"	U
Silver	ND		0.735	"	"	"	"	"	U
Zinc	ND		340	"	"	"	"	"	U

Origins Laboratory

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**BKG02@6'**

**7/25/2025 10:20:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5G0538-04 (Soil)  
 Enthalpy Analytical**

**Total Metals by SW7199**

Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIG1569	07/31/2025	07/31/2025	
----------------------	----	------	------	-------	---	---------	------------	------------	--

**Origins Laboratory**

**Boron (DTPA Sorbitol)**

Boron	0.201		0.0997	mg/L	1	B5G2528	07/25/2025	07/29/2025	
-------	-------	--	--------	------	---	---------	------------	------------	--

**Metals by Saturated Paste by EPA 6010**

Calcium	2.77		0.499	meq/L	10	[CALC]	07/25/2025	07/29/2025	
Magnesium	1.49		0.823	"	"	"	"	"	
Sodium	5.24		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.23			pH Units	1	B5G2531	07/25/2025	07/29/2025	
----	------	--	--	----------	---	---------	------------	------------	--

**SAR by 20B Saturated Paste**

SAR	3.59		0.0100	SAR	1	B5G2525	07/25/2025	07/29/2025	
-----	------	--	--------	-----	---	---------	------------	------------	--

**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.08		0.00500	mmhos/cm	1	B5G2531	07/25/2025	07/29/2025	
---------------------------	------	--	---------	----------	---	---------	------------	------------	--

Origins Laboratory

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**BKG02@6'**

**7/25/2025 10:20:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5G0538-04 (Soil)  
 Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	2.31		0.257	mg/kg	10	B5G2919	07/29/2025	07/31/2025	
Barium	ND		72.6	"	"	"	"	"	U
Cadmium	ND		0.337	"	"	"	"	"	U
Copper	ND		40.7	"	"	"	"	"	U
Lead	ND		12.4	"	"	"	"	"	U
Nickel	ND		23.0	"	"	"	"	"	U
Selenium	ND		0.230	"	"	"	"	"	U
Silver	ND		0.709	"	"	"	"	"	U
Zinc	ND		328	"	"	"	"	"	U

Origins Laboratory

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**BKG03@4'**

**7/25/2025 10:23:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5G0538-05 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>Total Metals by SW7199</b>									
Chromium, Hexavalent	ND	0.08	0.19	mg/kg	1	BIG1569	07/31/2025	07/31/2025	
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.12		0.0999	mg/L	1	B5G2528	07/25/2025	07/29/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	21.7		0.499	meq/L	10	[CALC]	07/28/2025	07/29/2025	
Magnesium	11.5		0.823	"	"	"	"	"	
Sodium	25.8		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	7.97			pH Units	1	B5G2806	07/28/2025	07/29/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	6.33		0.0100	SAR	1	B5G2805	07/28/2025	07/29/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	4.55		0.00500	mmhos/cm	1	B5G2806	07/28/2025	07/29/2025	

Origins Laboratory

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**BKG03@4'**

**7/25/2025 10:23:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5G0538-05 (Soil)  
 Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	3.12		0.263	mg/kg	10	B5G2919	07/29/2025	07/31/2025	
Barium	ND		74.3	"	"	"	"	"	U
Cadmium	ND		0.344	"	"	"	"	"	U
Copper	ND		41.7	"	"	"	"	"	U
Lead	ND		12.7	"	"	"	"	"	U
Nickel	ND		23.5	"	"	"	"	"	U
Selenium	ND		0.235	"	"	"	"	"	U
Silver	ND		0.725	"	"	"	"	"	U
Zinc	ND		335	"	"	"	"	"	U

Origins Laboratory

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**BKG03@6'**

**7/25/2025 10:27:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5G0538-06 (Soil)  
 Enthalpy Analytical**

**Total Metals by SW7199**

Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIG1569	07/31/2025	07/31/2025	
----------------------	----	------	------	-------	---	---------	------------	------------	--

**Origins Laboratory**

**Boron (DTPA Sorbitol)**

Boron	0.619		0.0999	mg/L	1	B5G2528	07/25/2025	07/29/2025	
-------	-------	--	--------	------	---	---------	------------	------------	--

**Metals by Saturated Paste by EPA 6010**

Calcium	12.9		0.499	meq/L	10	[CALC]	07/28/2025	07/29/2025	
Magnesium	6.74		0.823	"	"	"	"	"	
Sodium	14.4		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.08			pH Units	1	B5G2806	07/28/2025	07/29/2025	
----	------	--	--	----------	---	---------	------------	------------	--

**SAR by 20B Saturated Paste**

SAR	4.60		0.0100	SAR	1	B5G2805	07/28/2025	07/29/2025	
-----	------	--	--------	-----	---	---------	------------	------------	--

**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	3.11		0.00500	mmhos/cm	1	B5G2806	07/28/2025	07/29/2025	
---------------------------	------	--	---------	----------	---	---------	------------	------------	--

Origins Laboratory

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**BKG03@6'**

**7/25/2025 10:27:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5G0538-06 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	2.44		0.273	mg/kg	10	B5G2919	07/29/2025	07/31/2025	
Barium	ND		77.2	"	"	"	"	"	U
Cadmium	ND		0.358	"	"	"	"	"	U
Copper	ND		43.3	"	"	"	"	"	U
Lead	ND		13.2	"	"	"	"	"	U
Nickel	ND		24.5	"	"	"	"	"	U
Selenium	ND		0.245	"	"	"	"	"	U
Silver	ND		0.753	"	"	"	"	"	U
Zinc	ND		348	"	"	"	"	"	U

Origins Laboratory

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5G2525 - Saturated Paste Metals**

**Blank (B5G2525-BLK1)**

Prepared: 07/25/2025 Analyzed: 07/29/2025

Calcium PPM	ND	10.0	mg/L							U
SAR	ND	0.0100	SAR							U
Magnesium PPM	ND	10.0	mg/L							U
Sodium PPM	ND	10.0	"							U

**Duplicate (B5G2525-DUP1)**

**Source: E5G0532-16**

Prepared: 07/25/2025 Analyzed: 07/29/2025

Calcium PPM	28.2	10.0	mg/L		24.3			14.6	50	
SAR	ND	0.0100	SAR		0.389				200	U
Magnesium PPM	6.98	10.0	mg/L		5.98			15.4	50	U
Sodium PPM	7.82	10.0	"		8.26			5.47	50	U

**Batch B5G2528 - DTPA Sorbitol Preparation**

**Duplicate (B5G2528-DUP1)**

**Source: E5G0532-18**

Prepared: 07/25/2025 Analyzed: 07/29/2025

Boron	0.162	0.100	mg/L		0.157			3.06	50	
-------	-------	-------	------	--	-------	--	--	------	----	--

**Batch B5G2805 - Saturated Paste Metals**

**Blank (B5G2805-BLK1)**

Prepared: 07/28/2025 Analyzed: 07/29/2025

SAR	ND	0.0100	SAR							U
Calcium PPM	ND	10.0	mg/L							U
Magnesium PPM	ND	10.0	"							U
Sodium PPM	ND	10.0	"							U

**Duplicate (B5G2805-DUP1)**

**Source: E5G0538-05**

Prepared: 07/28/2025 Analyzed: 07/29/2025

SAR	ND	0.0100	SAR		6.33				200	U
Calcium PPM	417	10.0	mg/L		435			4.33	50	
Magnesium PPM	133	10.0	"		139			4.98	50	

Origins Laboratory

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5G2805 - Saturated Paste Metals**

**Duplicate (B5G2805-DUP1)**

**Source: E5G0538-05**

Prepared: 07/28/2025 Analyzed: 07/29/2025

Sodium PPM	562	10.0	mg/L		592			5.23	50	
------------	-----	------	------	--	-----	--	--	------	----	--

Origins Laboratory

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**Metals by EPA 6000/7000 Series Methods - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5G2919 - EPA 3050B**

Prepared: 07/29/2025 Analyzed: 07/31/2025

**Blank (B5G2919-BLK1)**

Arsenic	ND	0.274	mg/kg							U
Barium	ND	77.6	"							U
Cadmium	ND	0.359	"							U
Copper	ND	43.5	"							U
Lead	ND	13.2	"							U
Nickel	ND	24.6	"							U
Selenium	ND	0.246	"							U
Silver	ND	0.757	"							U
Zinc	ND	350	"							U

**LCS (B5G2919-BS1)**

Prepared: 07/29/2025 Analyzed: 07/31/2025

Arsenic	5.04	0.256	mg/kg	4.42		114	80-120			
Barium	498	72.5	"	442		113	80-120			
Cadmium	4.71	0.336	"	4.42		106	80-120			
Copper	51.3	40.7	"	44.2		116	80-120			
Lead	5.16	12.4	"	4.42		117	80-120			U
Nickel	5.31	23.0	"	4.42		120	80-120			U
Selenium	4.93	0.230	"	4.42		112	80-120			
Silver	5.31	0.707	"	4.42		120	80-120			
Zinc	52.9	327	"	44.2		120	80-120			U

**Matrix Spike (B5G2919-MS1)**

Source: E5G0538-01

Prepared: 07/29/2025 Analyzed: 07/31/2025

Arsenic	7.43	0.254	mg/kg	4.38	2.10	122	75-125			
Barium	565	71.8	"	438	73.7	112	75-125			
Cadmium	5.50	0.333	"	4.38	0.0842	124	75-125			
Copper	54.5	40.3	"	43.8	3.67	116	75-125			

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**Metals by EPA 6000/7000 Series Methods - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5G2919 - EPA 3050B**

<b>Matrix Spike (B5G2919-MS1)</b>			<b>Source: E5G0538-01</b>			<b>Prepared: 07/29/2025 Analyzed: 07/31/2025</b>				
Lead	10.5	12.3	mg/kg	4.38	4.74	131	75-125			QM-07, U
Nickel	10.4	22.8	"	4.38	5.27	116	75-125			U
Selenium	5.39	0.228	"	4.38	0.235	118	75-125			
Silver	5.38	0.700	"	4.38	0.0131	123	75-125			
Zinc	70.1	324	"	43.8	20.1	114	75-125			U

<b>Matrix Spike Dup (B5G2919-MSD1)</b>			<b>Source: E5G0538-01</b>			<b>Prepared: 07/29/2025 Analyzed: 07/31/2025</b>				
Arsenic	7.45	0.268	mg/kg	4.62	2.10	116	75-125	0.349	20	
Barium	591	75.7	"	462	73.7	112	75-125	4.48	20	
Cadmium	5.52	0.351	"	4.62	0.0842	118	75-125	0.310	20	
Copper	57.3	42.5	"	46.2	3.67	116	75-125	5.12	20	
Lead	10.3	12.9	"	4.62	4.74	119	75-125	2.01	20	U
Nickel	11.3	24.0	"	4.62	5.27	131	75-125	8.95	20	QM-07, U
Selenium	5.48	0.240	"	4.62	0.235	114	75-125	1.63	20	
Silver	5.32	0.738	"	4.62	0.0131	115	75-125	1.12	20	
Zinc	75.2	342	"	46.2	20.1	120	75-125	7.10	20	U

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**Saturated Paste - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5G2531 - Saturated Paste pH/EC**

**Blank (B5G2531-BLK1)**

Prepared: 07/25/2025 Analyzed: 07/29/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm U

**Duplicate (B5G2531-DUP1)**

**Source: E5G0532-16**

Prepared: 07/25/2025 Analyzed: 07/29/2025

pH 7.64 pH Units 7.61 0.393 25

Specific Conductance (EC) 0.300 0.00500 mmhos/cm 0.265 12.4 25

**Batch B5G2806 - Saturated Paste pH/EC**

**Blank (B5G2806-BLK1)**

Prepared: 07/28/2025 Analyzed: 07/29/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm U

**Duplicate (B5G2806-DUP1)**

**Source: E5G0538-05**

Prepared: 07/28/2025 Analyzed: 07/29/2025

pH 7.98 pH Units 7.97 0.125 25

Specific Conductance (EC) 4.85 0.00500 mmhos/cm 4.55 6.46 25

Origins Laboratory

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Two Dot Consulting  
 2200 West 29th Ave  
 Denver CO 80211

Kyle Johnson  
 Project Number: 3301-102  
 Project: Chevron - Lucci B 01-22

**Total Metals by SW7199 - Quality Control  
 Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch BIG1569 - No Prep IC-WET</b>										
<b>Blank (BIG1569-BLK1)</b>										
					Prepared: 07/31/2025 Analyzed: 07/31/2025					
Chromium, Hexavalent	ND	0.21	mg/kg							
<b>LCS (BIG1569-BS1)</b>										
					Prepared: 07/31/2025 Analyzed: 07/31/2025					
Chromium, Hexavalent	1.93	0.20	mg/kg	1.96		98.2	80-120			
<b>Matrix Spike (BIG1569-MS1)</b>										
		<b>Source: E5G0538-01</b>			Prepared: 07/31/2025 Analyzed: 07/31/2025					
Chromium, Hexavalent	1.93	0.20	mg/kg	2.01	ND	95.8	75-125			
<b>Matrix Spike Dup (BIG1569-MSD1)</b>										
		<b>Source: E5G0538-01</b>			Prepared: 07/31/2025 Analyzed: 07/31/2025					
Chromium, Hexavalent	1.86	0.20	mg/kg	1.97	ND	94.7	75-125	3.50	20	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Two Dot Consulting  
2200 West 29th Ave  
Denver CO 80211

Kyle Johnson  
Project Number: 3301-102  
Project: Chevron - Lucci B 01-22

### Notes and Definitions

- U Sample is Non-Detect.
  - QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
  - ND Analyte NOT DETECTED at or above the reporting limit
  - RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

Origins Laboratory

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*